

**IN THE CLAIMS:**

**Claims pending**

- At time of the action: Claims 1-11.
- After this response: Claims 1-11.

**Currently Amended claims** Claims 1 and 6.

**Currently Canceled claims** None.

**New claims** None.

1. (Currently Amended) A programming interface embodied on one or more computer-readable storage media comprising:

a hierarchical namespace including a set of types for a user interface organized into the hierarchical namespace, the hierarchical namespace including functionality to allow application-defined calculations to be performed;

a top level identifier prefixed to the name of each group in the hierarchy so that the types in each group are referenced by a hierarchical name that includes the selected top level identifier prefixed to the name of the group containing the type;

a first group of services related to re-usable user interface controls, the first group of services including a control that allows preview images of items to be displayed;

a second group of services related to user interface dialogs and user interface wizards, the second group of services including a first dialog to allow files and folders to be opened and saved;

a third group of services related to extending the user interface functionality, the third group of services including functionality to allow identification of application-defined thumbnails; and

a fourth group of services related to extending functionality of a desktop of the user interface, the fourth group of services including functionality to allow a sidebar to be displayed on the desktop, wherein the first and second and third and fourth groups of services are defined by respective namespaces of the programming interface, wherein one of the respective namespaces is a Desktop namespace, the Desktop namespace including elements in the sidebar, and wherein a BasketControl control allows one or more elements to be added to the sidebar;  
and

an object model that can be used by each of the groups of services, the object model including:

an ExplorerItem object that describes items that can be presented to a user,

a Library object that describes a query against the ExplorerItem object,

a ViewFields object that projects data from the ExplorerItem object to the user, and

a StorageFavorites object that describes a link to a dynamic list generated from the Library object.

2. (Previously Presented) A programming interface as recited in claim 1, wherein the first group of services includes:

a first control that encapsulates a storage user experience;

a second control that allows an item to be displayed in an application-defined manner;

a third control that allows items to be added to a sidebar of the desktop; and

a fourth control that allows items to be added to a list.

3. (Previously Presented) A programming interface as recited in claim 1, wherein the second group of services includes:

a first wizard to allow optical discs to be written to; and

a second wizard to facilitate sending images by electronic mail.

4. (Previously Presented) A programming interface as recited in claim 1, wherein the third group of services includes:

a first functionality to allow additions to context menus; and

a second functionality to allow calculations to be performed when displaying information regarding one or more files or folders.

5. (Previously Presented) A programming interface as recited in claim 1, wherein the fourth group of services includes:

functionality to allow application-defined notifications to be displayed on the desktop.

6. (Previously Presented) A system implemented by way of one or more computers that comprise one or more computer-readable storage media, the system comprising:

means for organizing a set of types for a user interface into a hierarchical namespace, the hierarchical namespace including functionality to allow application-defined calculations to be performed;

means for exposing a first set of functions that enable re-usable controls of a user interface;

means for exposing a second set of functions that enable re-usable dialogs of the user interface and re-usable wizards of the user interface;

means for exposing a third set of functions that enable extending functionality of a desktop of the user interface, wherein the means for exposing the first set of functions including means for exposing one or more functions that allow items to be added to a sidebar of the desktop;~~and~~

means for selecting a top level identifier and prefixing the name of each ~~group set~~ with the top level identifier so that the types in each ~~group set~~ are referenced by a hierarchical name that includes the selected top level identifier prefixed to the name of the ~~group set~~ containing the type, wherein the first set of functions is associated with a Desktop top level identifier and includes elements in the sidebar, and wherein a BasketControl control allows one or more elements to be added to the sidebar; and

a means for exposing an object model that can be used by each of the sets of functions, the object model including:

an ExplorerItem object that describes items that can be presented to a user,

a Library object that describes a query against the ExplorerItem object,

a ViewFields object that projects data from the ExplorerItem object to the user, and

a StorageFavorites object that describes a link to a dynamic list generated from the Library object.

7. (Original) A system as recited in claim 6, further comprising:  
means for exposing a fourth set of functions that enable extending functionality of the user interface.

8. (Original) A system as recited in claim 7, wherein the means for exposing the fourth set of functions comprises:

means for exposing one or more functions to allow additions to context menus;

means for exposing one or more functions to allow identification of application-defined thumbnails; and

means for exposing one or more functions to allow calculations to be performed when displaying information regarding one or more files or folders.

9. (Previously Presented) A system as recited in claim 6, wherein the means for exposing the first set of functions comprises:

means for exposing one or more functions that encapsulate a storage user experience;

means for exposing one or more functions that allow an item to be displayed in an application-defined manner;

means for exposing one or more functions that allow items to be added to a list; and

means for exposing one or more functions that allow preview images of items to be displayed.

10. (Original) A system as recited in claim 6, wherein the means for exposing the second set of functions comprises:

means for exposing one or more functions that allow files and folders to be opened and saved;

means for exposing one or more functions that allow optical discs to be written to; and

means for exposing one or more functions that allow images to be sent by electronic mail to be re-sized.

11. (Original) A system as recited in claim 6, wherein the means for exposing the third set of functions comprises:

means for exposing one or more functions that allow a sidebar to be displayed on the desktop; and

means for exposing one or more functions that allow application-defined notifications to be displayed on the desktop.

12.-42. (Canceled)